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United States Patent [19]

Link, Jr.

[11] **Patent Number:** **5,975,162**[45] **Date of Patent:** **Nov. 2, 1999****[54] LIQUID DELIVERY VEHICLE WITH REMOTE CONTROL SYSTEM**

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[52] U.S. Cl. **141/231; 141/192; 222/627; 222/608; 239/172; 239/195**

[58] Field of Search **239/231, 192, 239/98, 94, 172, 195; 137/456; 222/627, 626, 628, 608; 417/316**

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[57] ABSTRACT

A delivery vehicle for delivering liquids to a storage location and a liquid delivery control system therefor. The apparatus comprises manual and remote actuation of a clutch controller for engaging and disengaging a clutch of the vehicle, remote and manual actuation of a throttle controller for opening and closing a throttle of the vehicle, actuation of a power take-off controller for engaging and disengaging a power take-off on the vehicle, and actuation of a valve controller for opening and closing an internal flow valve in a cargo tank on the vehicle. The apparatus also may include actuation of a reel controller for unwinding a liquid delivery hose from a reel and rewinding the hose on the reel. A method of delivering a liquid to a storage location is also disclosed.

47 Claims, 5 Drawing Sheets